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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/805,493      | 03/13/2001  | Stan L. Reynolds     |                     | 8177             |

7590

06/14/2002

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EXAMINER

LAM, THANH

ART UNIT

PAPER NUMBER

2834

DATE MAILED: 06/14/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.  
09/805,493

Applicant(s)

Reynolds et al.

Examiner  
Thanh Lam

Art Unit  
2834



-- The MAILING DATE of

communication appears on the cover sheet with the correspondence address --

## Period for Reply

### A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available if the period for reply is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- mailing date of this communication, above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply is extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Failure to reply within the period for reply later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent rights.
- Any reply received after the expiration of the period for reply will be treated as a late filing and may be subject to communication(s) filed on Elect. filed on 5/2/2002.

## Status

- 1) ☒ This action is FINAL.
- 2) ☒ This action is non-final.

2a) ☐ This application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

## Disposition of Claims

- 1) ☒ Claim(s) 1-23 is/are pending in the application.
- 2) ☐ Claim(s) 1-23 is/are withdrawn from consideration.
- 3) ☐ Claim(s) 1-23 is/are allowed.
- 4) ☐ Claim(s) 1-23 is/are rejected.
- 5) ☐ Claim(s) 1-23 is/are objected to.
- 6) ☒ Claim(s) 1-21 are subject to restriction and/or election requirement.
- 7) ☐ Claim(s) 1-21
- 8) ☐ Claims 1-21

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s). 2

- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

Office Action Summary

Part of Paper No. 5

Application/Control Number: 09805493

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## DETAILED ACTION

### *Claim Objections*

1. Claim 6 is objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim 3. See MPEP § 608.01(n). Accordingly, the claim has not been further treated on the merits.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Maxwell.

Maxwell discloses an apparatus for storing energy for subsequent use in electrical or physical power generation, comprising a semi spheric liquid phase flywheel (13) connected by a mechanical means to a shaft (111) aligned along the rotational axis of the flywheel.

Regarding claim 2, Maxwell discloses a semi spheric structure acts as the flywheel shell and fluid container.

Regarding claim 3, Maxwell discloses a semi spheric structure made of a composite material acts as the flywheel shell and fluid container.

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Regarding claim 4, Maxwell discloses a perforated radial vein cluster is bonded to the inner surface of the sernispheric structure.

Regarding claim 5, Maxwell discloses a porous matrix is placed between the internal vanes.

Regarding claim 6, Maxwell discloses a small round or viscous particles are used in place of a fluid.

Regarding claim 7-12, Maxwell discloses the liquid phase flywheel is fitted with electrically conducting elements which, in rotating through a magnetic field, result in the generation of electrical power.

### *Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh Lam whose telephone number is (703) 308-7626. The fax phone number for this Group is (703) 305-3432.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0656.



Thanh Lam

Patent Examiner

June 12, 2002